

### SECTION 3

#### HUFFINE LANE ACCESS MANAGEMENT PLAN DETAILS

The accompanying graphics illustrate the important details of the “Huffine Lane Access Management Plan.” Key elements of this plan are:

- The limits of the “Huffine Lane Access Management Plan” are Four Corners (Jackrabbit Lane) on the west and College Street in Bozeman on the east.
- A raised median will ultimately be constructed within the limits of the “Huffine Lane Access Management Plan” corridor.
- This median will restrict full access (left turns in, left turns out, right turns in, right turns out, and north/south through movements) to approved access locations via breaks located at approximately a one-half mile spacing to public streets along the corridor, as shown on the accompanying graphics.
- Future traffic signals will be allowed only at the approved full turning movement locations.
- The east Arrowhead Trail and Huffine Lane intersection will be allowed to remain a full turning movement access (but without a traffic signal) until such time as a documented crash problem is identified. If a documented crash problem is identified in the future of such a severity that the Montana Department of Transportation determines the situation must be addressed, the Montana Department of Transportation reserves the right to install any countermeasure it feels appropriate to protect public safety. These countermeasures may include, but are not limited to: closing the median break and restricting the intersection to a right in, right out only intersection; restricting the intersection to a three-quarter turn (left in, right in, right out) only intersection, or installing a traffic signal.
- The raised median will provide breaks for three-quarter turn intersections at public street intersections to Huffine Lane located approximately one-quarter mile east or west of approved traffic signal locations, as shown on the accompanying graphics. A three-quarter turn intersection allows left turns in from Huffine Lane into an access; right turns from Huffine Lane into an access; and right turns out from an access onto Huffine Lane. However, left turns out from an access onto Huffine Lane and through movements across Huffine Lane from an access are prohibited at the three-quarter turn locations.
- All other accesses to Huffine Lane will be restricted to right in and right out turning movements only.
- U-turns will be provided for approximately 500 feet in advance of approved traffic signal locations (whether signals are currently provided, or allowable in the future).
- U-turns will be allowed along with left turns from Huffine Lane at signalized intersections, unless documented crash problems leads the Montana Department of Transportation to restrict such U-turns for safety reasons.
- A supplemental street network north and south of Huffine Lane is recommended to maximize access to parcels of land abutting or close to Huffine Lane, and to provide internal circulation among parcels. A framework for this recommended supplemental street network is shown in *Section 5 – “Possible and Desirable Future Public Street Network.”*
- In order to accommodate the planned future raised medians, left turn bays, and U-turn bays, the existing pavement width of 78 feet on Huffine Lane (see Figure 1) will need to be widened five feet on both the north and south side of Huffine Lane, for a

total future pavement width of 88 feet (exclusive of acceleration, deceleration, or right turn auxiliary lanes), shown in the other graphics on Figures 1 and 2.

- Figure 3 illustrates typical future full median area, left turns/U-turns, and 3/4 turns locations in plan view on the aerial background.
- To be consistent with the “Greater Bozeman Area Transportation Plan, Year 2001 Update” standards for a Principal Arterial Street (Figure 4), the future right-of-way for Huffine Lane is planned to be 120 feet (60 feet each side from centerline).

Figures showing Huffine Lane Access Management Plan details included in this section are:

Figure 1 – Typical Sections, Existing Conditions and at Future Full Width Median (Section A – A) Locations

Figure 2 – Typical Sections at Future Left Turn Lane or U-Turn (Section B – B) and 3/4 Turn (Section C – C) Locations

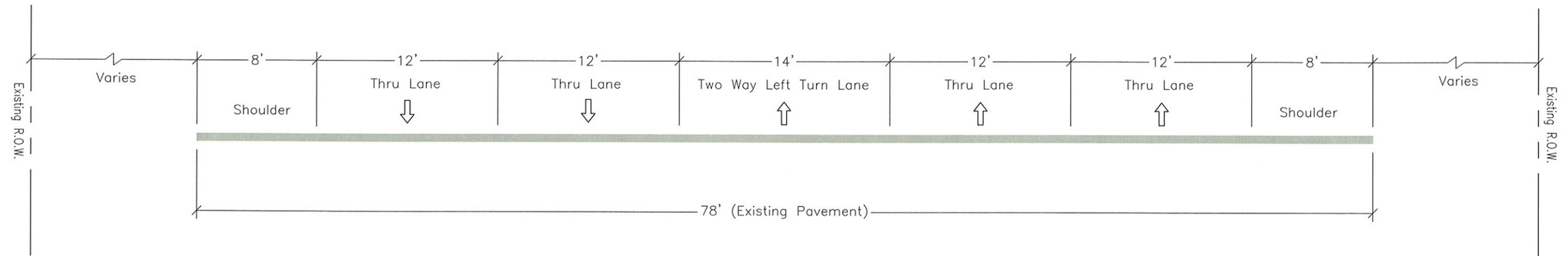
Figure 3 – Plan View of Typical Future Full Median, Left Turn or U-Turn, and 3/4 Turn Locations

Figure 4 – This is Figure 11-4 from the “Greater Bozeman Area Transportation Plan, Year 2001 Update,” showing the Recommended Principal Arterial Street Standards and the 120 foot right-of-way requirement applicable to Huffine Lane.

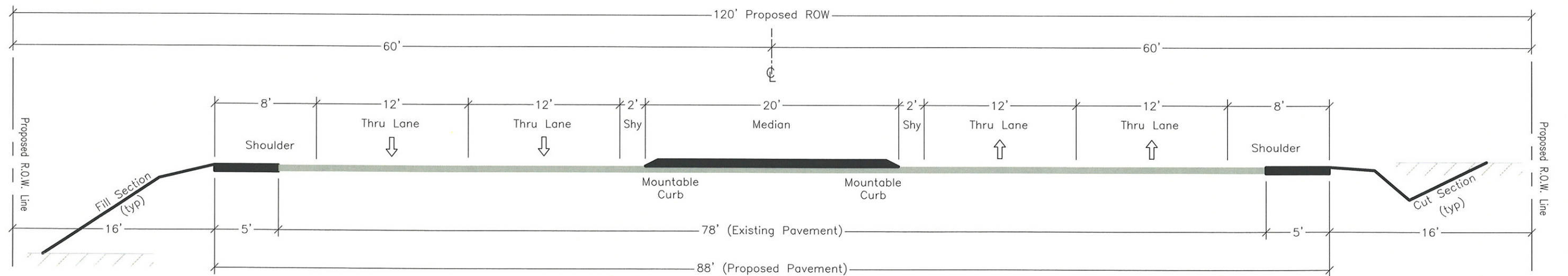
Figures 5 – 22 – Huffine Lane Access Management Plan Corridor Detail Sheets

Note: The Figures shown in this section were created for an 11” by 17” sheet size. The scales shown on the sheets are for an 11” by 17” sheet size. If sheets are printed out on 8-½” by 11” paper, the scales must be adjusted accordingly.

# **TYPICAL SECTION** (Existing Conditions)



# **TYPICAL SECTION A-A** (at Future Full Width Median Locations)



## HUFFINE LANE ACCESS MANAGEMENT PLAN

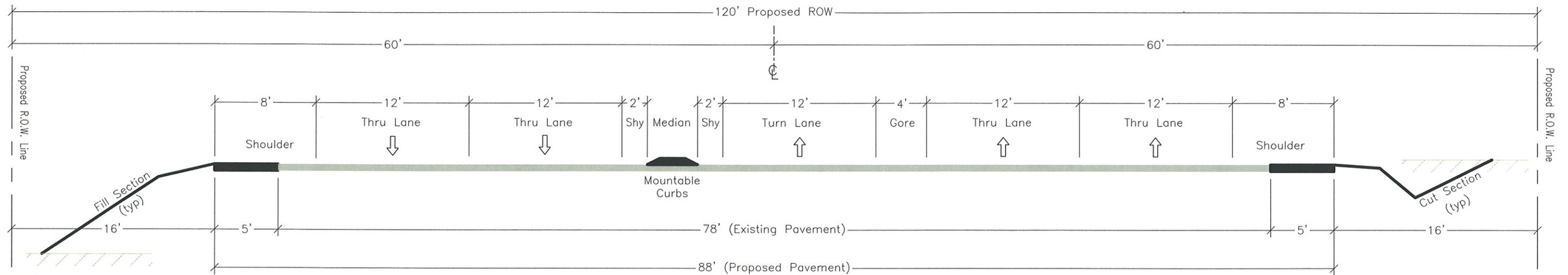
## TYPICAL SECTIONS, EXISTING CONDITIONS AND AT FUTURE FULL WIDTH MEDIAN LOCATIONS

Scale 1"= 8' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 1

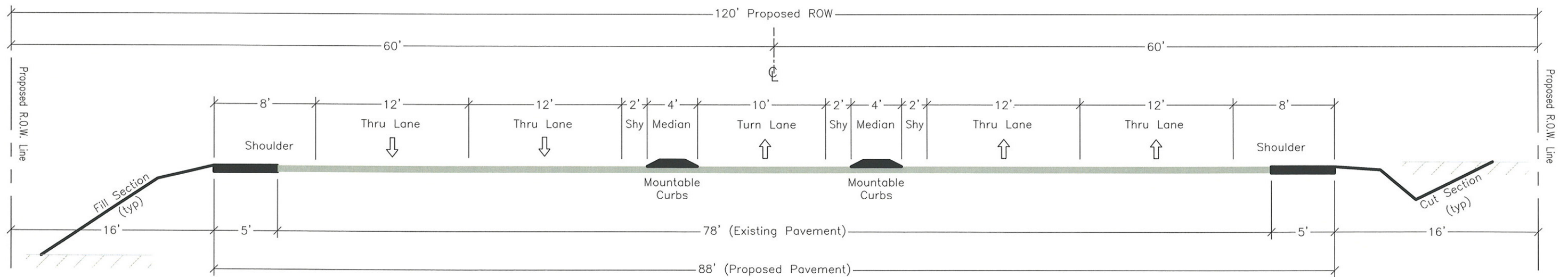


SCALE IN FEET  
0 4' 8'

**TYPICAL SECTION B-B**  
(at Future Left Turn Lane or U-Turn Locations)



**TYPICAL SECTION C-C**  
(at Future 3/4 Turn Lane Locations)



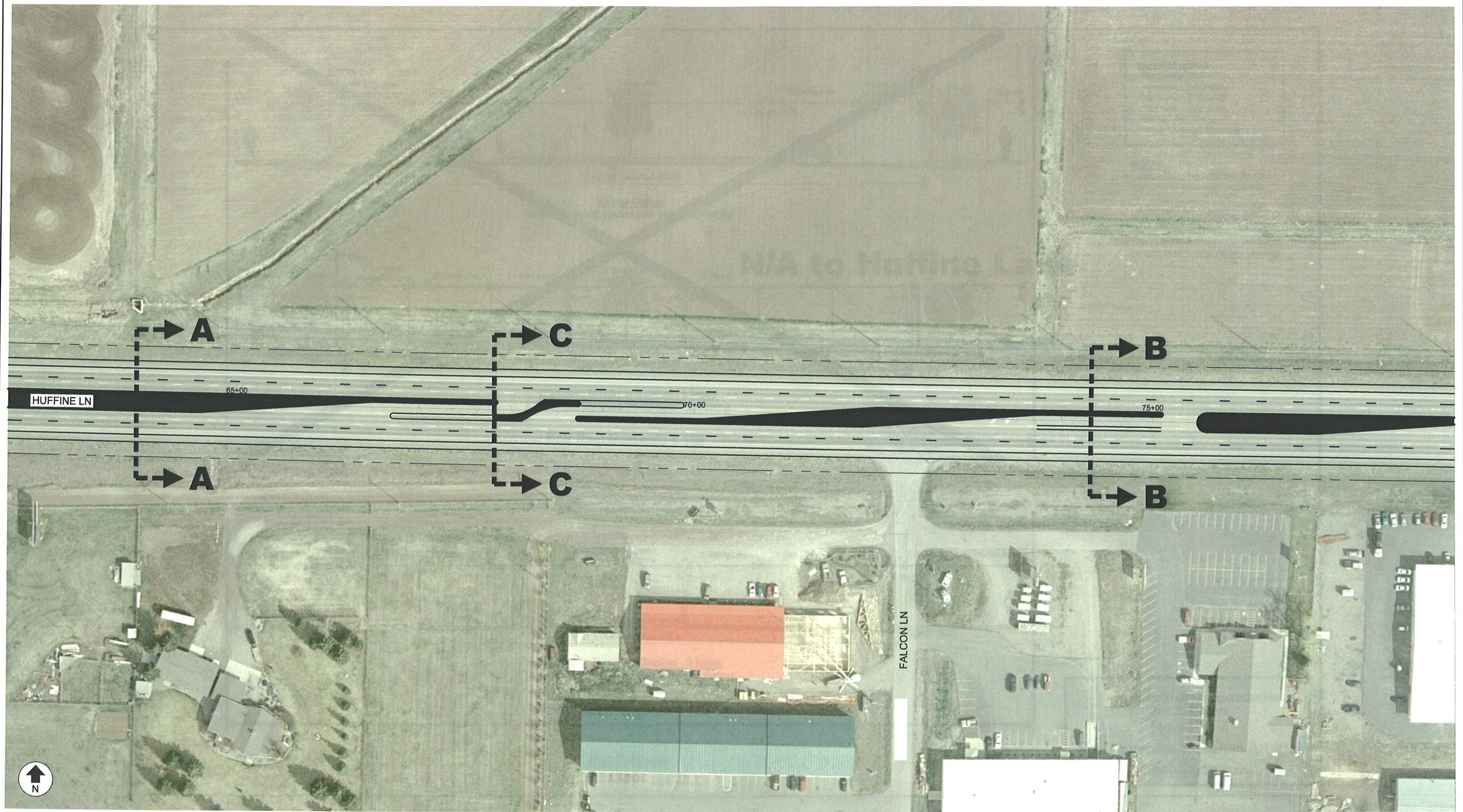
HUFFINE LANE ACCESS MANAGEMENT PLAN

TYPICAL SECTIONS AT FUTURE LEFT TURN LANES OR U-TURN AND 3/4 TURN LOCATIONS

Scale 1"= 8' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 2
----------------------	------------------	--------------	------------------	--------------------






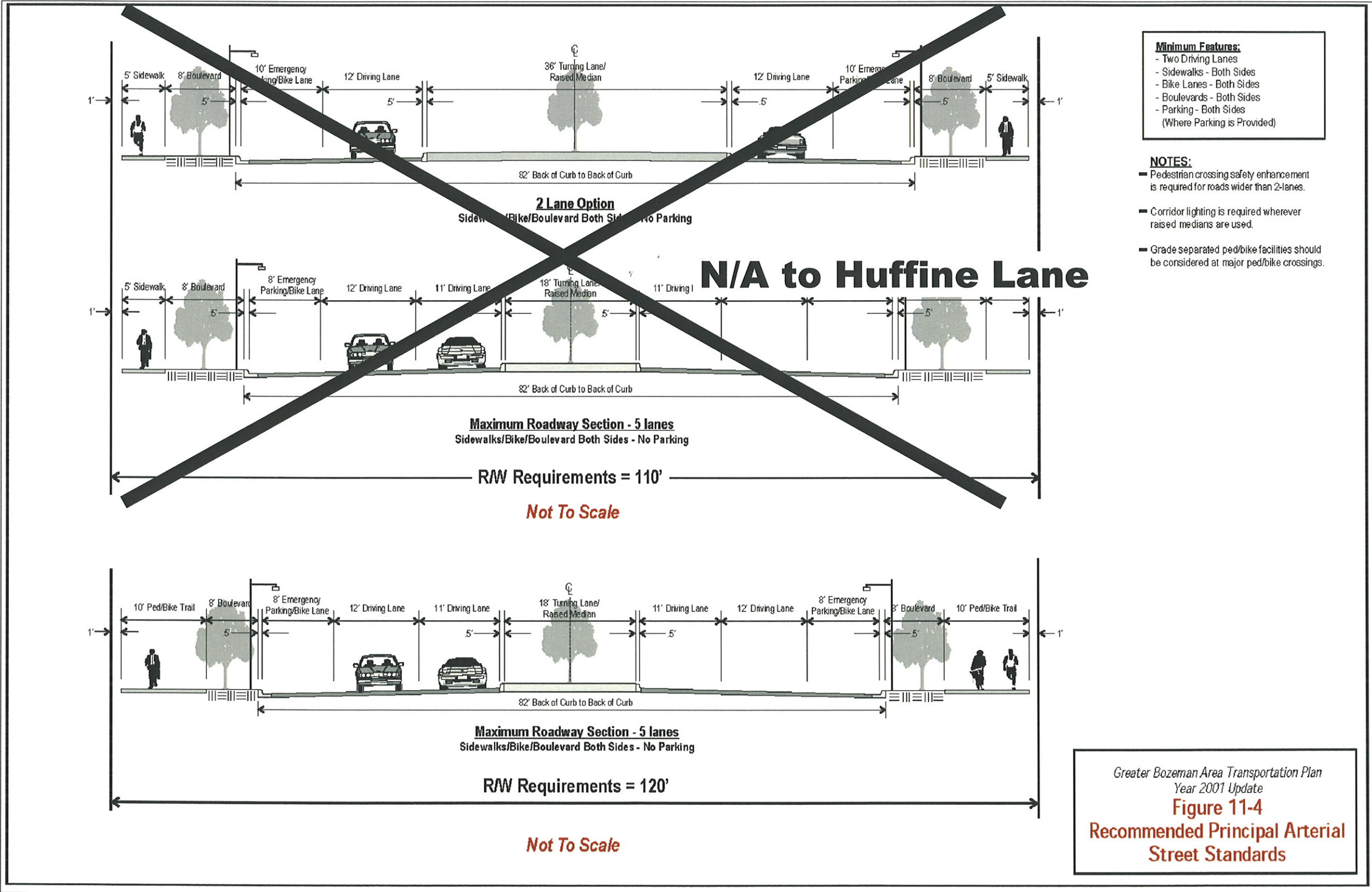


SCALE IN FEET  
0 50' 100'



HUFFINE LANE ACCESS MANAGEMENT PLAN							 <i>serving you with pride</i> BOZEMAN HUFFINE LANE CORRIDOR STUDY
PLAN VIEW OF TYPICAL FUTURE FULL MEDIAN, LEFT TURN, AND 3/4 TURN LOCATIONS							
Scale 1"=100' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 3			





HUFFINE LANE ACCESS MANAGEMENT PLAN

RECOMMENDED PRINCIPAL ARTERIAL STREET STANDARDS

Scale 1"=100' (11X17) Date June 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 4







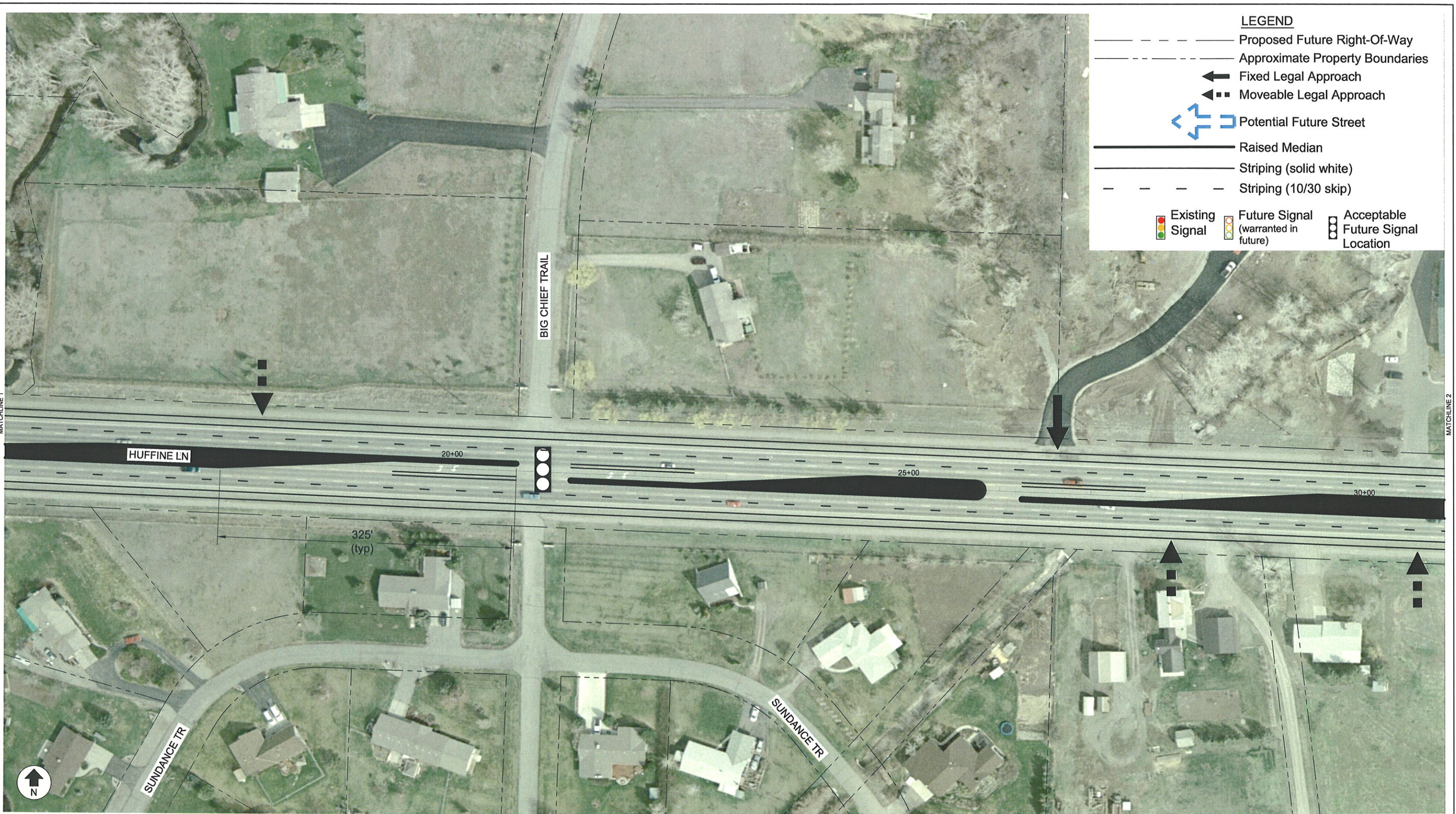
# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) | Date August 2007 | Drawn by RAC | Job # AMTDOT0307 | Section 3 Figure 5











### HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 7
-----------------------	------------------	--------------	------------------	--------------------





MATCHLINE 3



MATCHLINE 4



# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17)

Date

August 2007

Drawn by

RAC

Job #

AMTDOT0307

Section 3 Figure 8



SCALE IN FEET  
0 50' 100'









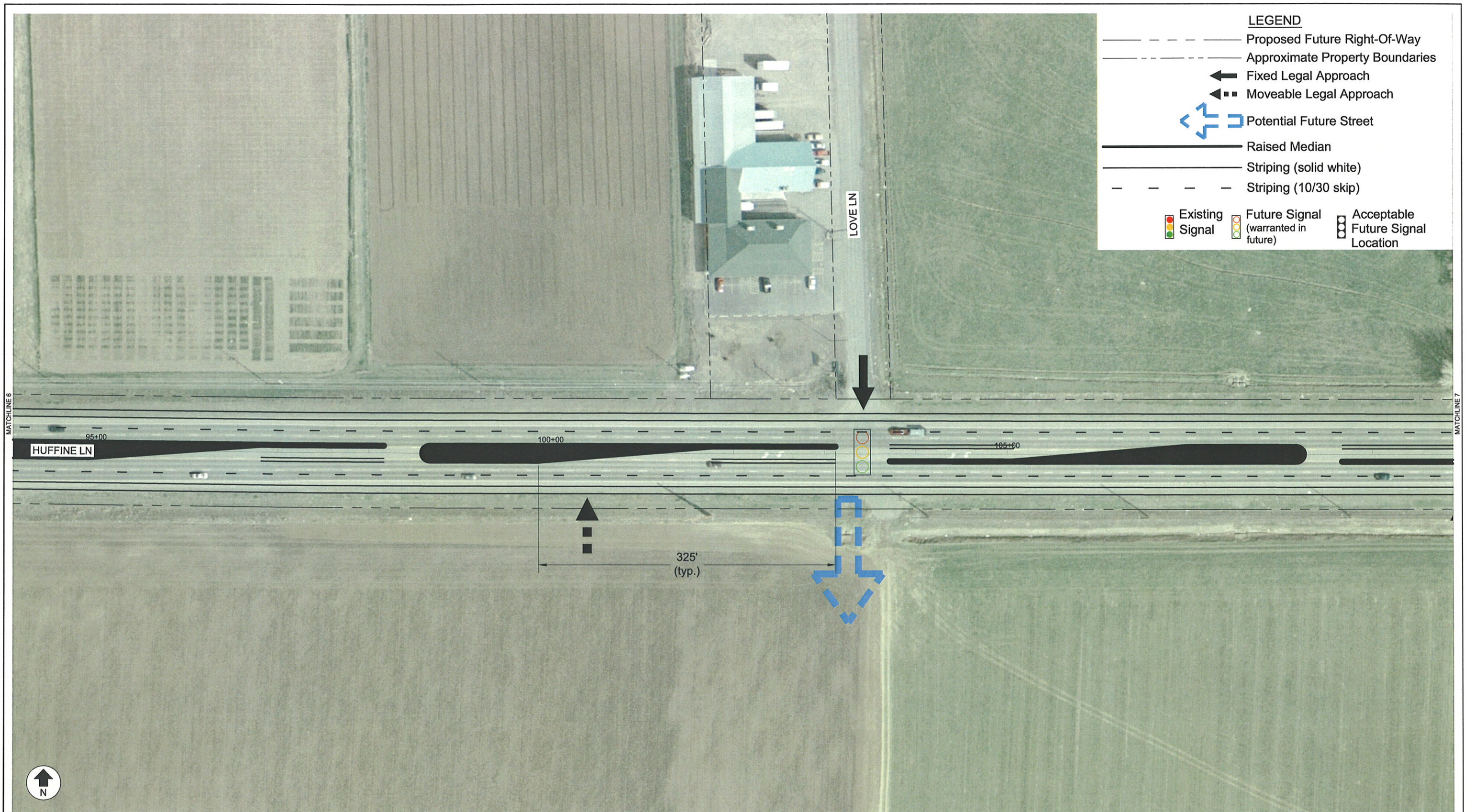
# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) | Date August 2007 | Drawn by RAC | Job # AMTDOT0307 | Section 3 Figure 10







# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 11







# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 12







# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 13







# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 14





MATCHLINE 10


MATCHLINE 11

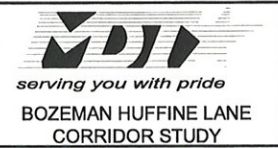


**LEGEND**

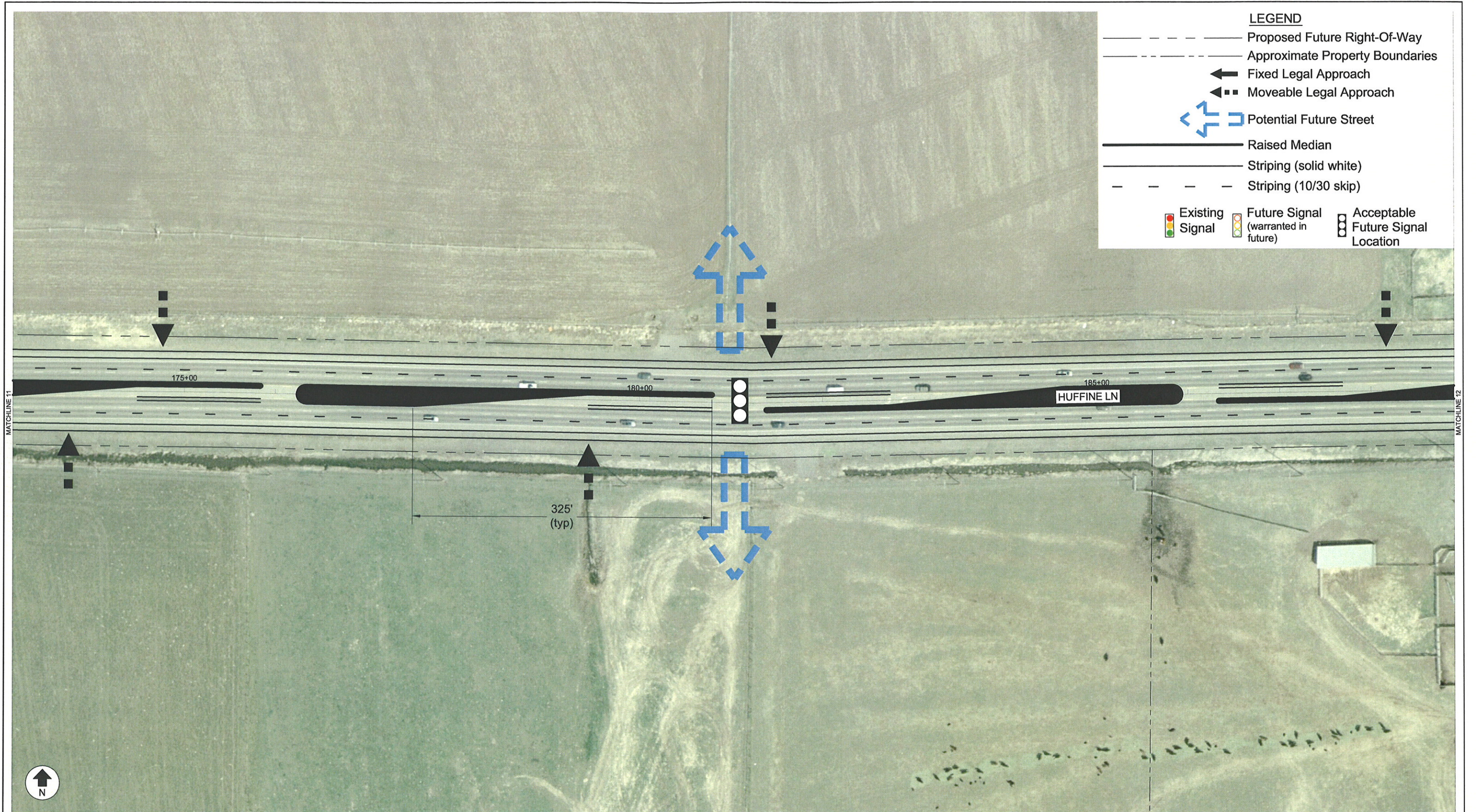
- Proposed Future Right-Of-Way
- Approximate Property Boundaries
- Fixed Legal Approach
- Moveable Legal Approach
- Potential Future Street
- Raised Median
- Striping (solid white)
- Striping (10/30 skip)
- Existing Signal
- Future Signal (warranted in future)
- Acceptable Future Signal Location



HUFFINE LANE ACCESS MANAGEMENT PLAN							 <i>serving you with pride</i> BOZEMAN HUFFINE LANE CORRIDOR STUDY
Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate							
Scale 1"=100' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 15			







# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 16
-----------------------	------------------	--------------	------------------	---------------------





MATCHLINE 12

MATCHLINE 13



**LEGEND**

- Proposed Future Right-Of-Way
- Approximate Property Boundaries
- Fixed Legal Approach
- Moveable Legal Approach
- Potential Future Street
- Raised Median
- Striping (solid white)
- Striping (10/30 skip)
- Existing Signal
- Future Signal (warranted in future)
- Acceptable Future Signal Location

SCALE IN FEET  
0 50' 100'



**HUFFINE LANE ACCESS MANAGEMENT PLAN**

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate  
Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 17





MATCHLINE 13



MATCHLINE 14



#### HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 18











SCALE IN FEET

0 50' 100'



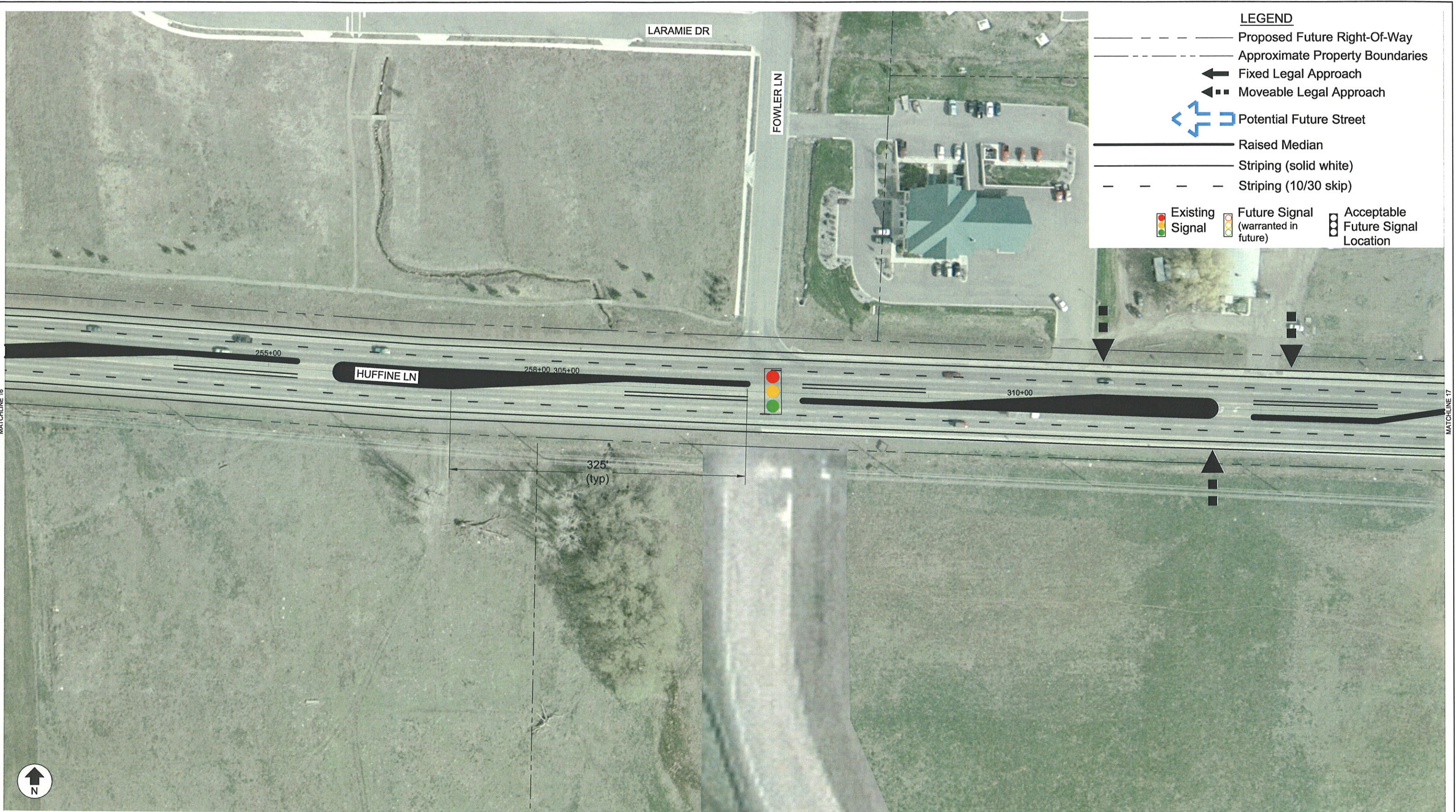
# HUFFINE LANE ACCESS MANAGEMENT PLAN

Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17) Date August 2007 Drawn by RAC Job # AMTDOT0307 Section 3 Figure 20

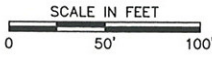






**LEGEND**

- Proposed Future Right-Of-Way
- Approximate Property Boundaries
- Fixed Legal Approach
- Moveable Legal Approach
- Potential Future Street
- Raised Median
- Striping (solid white)
- Striping (10/30 skip)
- Existing Signal
- Future Signal (warranted in future)
- Acceptable Future Signal Location



HUFFINE LANE ACCESS MANAGEMENT PLAN

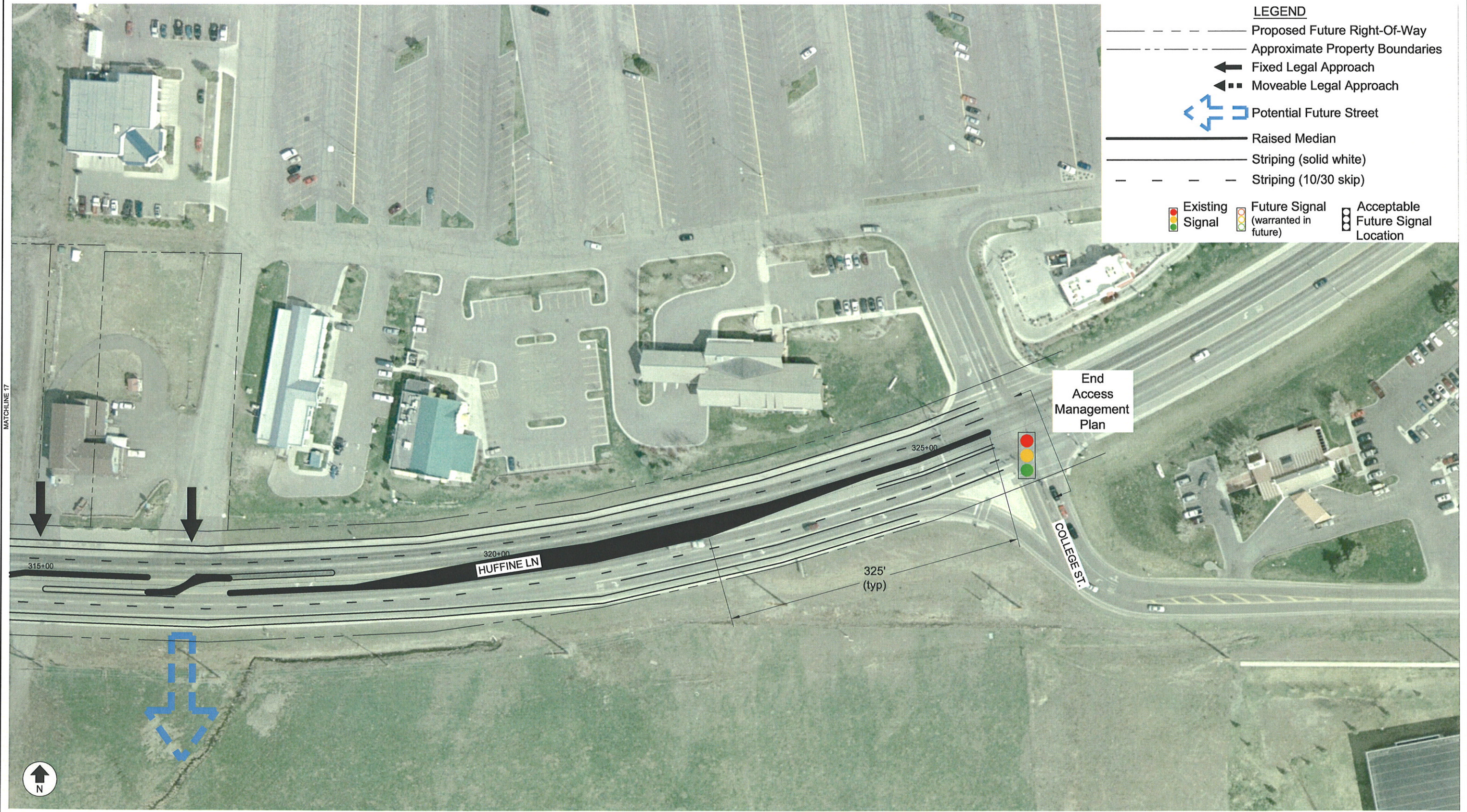
Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate

Scale 1"=100' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 21
-----------------------	------------------	--------------	------------------	---------------------





MATCHLINE 17



**LEGEND**

- Proposed Future Right-Of-Way
- Approximate Property Boundaries
- Fixed Legal Approach
- Moveable Legal Approach
- Potential Future Street
- Raised Median
- Striping (solid white)
- Striping (10/30 skip)
- Existing Signal
- Future Signal (warranted in future)
- Acceptable Future Signal Location

SCALE IN FEET

0 50' 100'



HUFFINE LANE ACCESS MANAGEMENT PLAN					
Full Movements (every 1/2 mile) - 3/4 Movements (every 1/4 mile) at Public Road Intersections - U-Turns Provided Where Appropriate					
Scale 1"=100' (11X17)	Date August 2007	Drawn by RAC	Job # AMTDOT0307	Section 3 Figure 22	

**MDOT**

serving you with pride

BOZEMAN HUFFINE LANE CORRIDOR STUDY